Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1236100

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33596
Name: Unit Petroleum Company
Address 1: 7130 S LEWIS AVE
Address 2: STE 1000
City: TULSA State: OK Zip: 74136 + 5492
Contact Person: Adam Scully, District Engineer
Phone: (918) 493-7700
CONTRACTOR: License # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Garrett Russell
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

09/24/2014	10/10/2014	12/11/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-155-21705-01-00
Spot Description:
SE - SW - SW - SW Sec. 15 Twp. 25 S. R. 10 ☐ East ☑ West
205 Feet from ☐ North / ☑ South Line of Section
600 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Reno
Lease Name: Feedlot Well #: 22 #1H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1764 Kelly Bushing: 1778
Total Vertical Depth: 3950 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 212 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 80000 ppm Fluid volume: 3676 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Underground Cavern Stabilization Company
Lease Name: 0 License #: 0
Quarter NE Sec. 14 Twp. 24 S. R. 6 ☐ East ☑ West
County: Reno Permit #: 0

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 12/23/2014
☑ **Confidential Release Date:** 12/22/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Rene Stucky **Date:** 12/31/2014

[redacted] 1236100

Operator Name: Unit Petroleum Company Lease Name: Feedlot Well #: 22 #1H

Sec. 15 Twp. 25 S. R. 10 ☐ East ☑ West County: Reno

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)	☐ Yes	☑ No	☐ Log Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☑ Yes	☐ No	Name: Attached Top: Attached Datum: Attached
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	

List All E. Logs Run:

Strip Vertical
Horizontal Curve & Lateral

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well?	☑ Yes	☐ No	*(If No, skip questions 2 and 3)*
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	☑ Yes	☐ No	*(If No, skip question 3)*
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	☑ Yes	☐ No	*(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	Unit Petroleum Company
Well Name	Feedlot 22 #1H
Doc ID	1236100

Tops

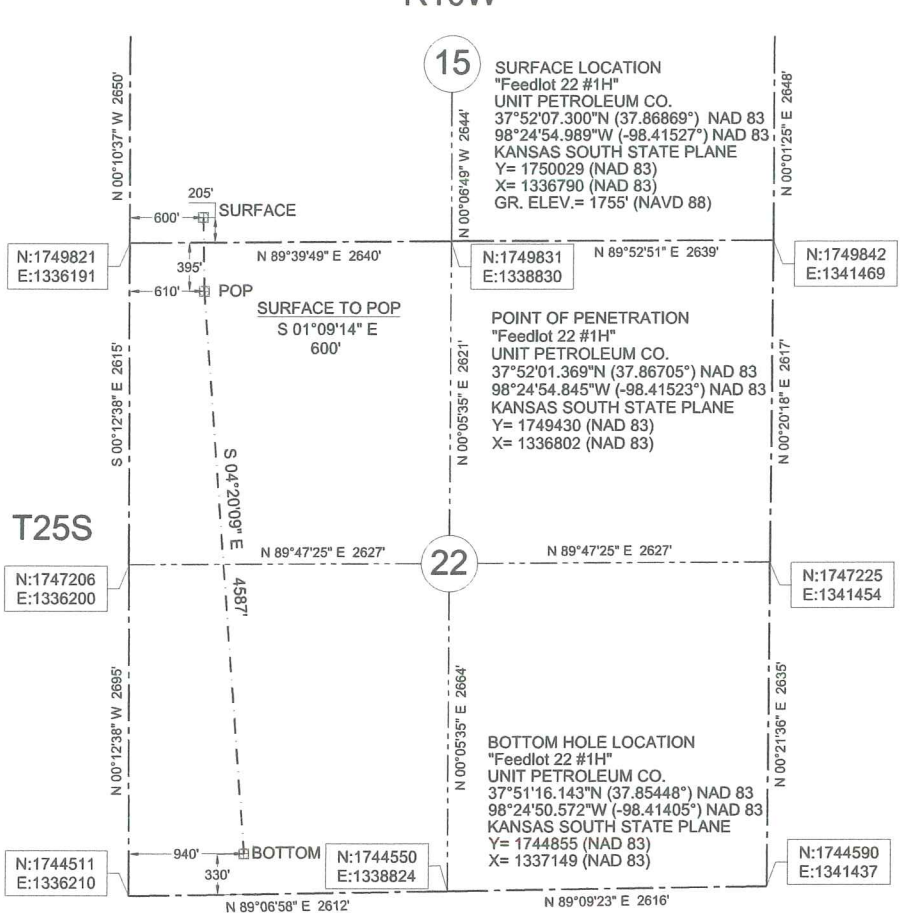
Name	Top	Datum
Heebner Shale	3263	1769
Brown Lime	3447	
Lansing/Kansas City	3462	
Stark Shale	3726	
Hushpuckney Shale	3756	
Pleasanton Shale	3810	
Cherokee Shale	3879	
Mississippi	3913	

Form	ACO1 - Well Completion
Operator	Unit Petroleum Company
Well Name	Feedlot 22 #1H
Doc ID	1236100

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	17.5	13.375	48	212	H	300	2% cc
Intermediate	12.25	9.625	36	1504	H	280	2% cc .25# celloflake
Intermediate	8.75	7	26	4365	AA-2	160	2% cc .25# celloflake
Production	6.125	5.5	17	8841	50/50 POZ	400	2% cc .25# celloflake
Production	6.125	4.5	11.6	8841	50/50 POZ	400	2% cc .25# celloflake

Sections 15 & 22, T 25 S, R 10 W., Reno County, Kansas.



LEGEND

SECTION LINE

1/4 SECTION LINE

0' 1200' 2400' 3600'

Datum: NAD 83
Units: US Survey Feet
North: Grid
Coordinates: State Plane
Zone: 3502
State: Kansas
Region: South

Description: Surface Hole Location Stake "Feedlot 22 #1H" situated 205 feet from the south section line and 600 feet from the west section line of Section 15, T 25 S, R 10 W., Reno County, Kansas.

Description: Point of Penetration "Feedlot 22 #1H" situated 395 feet from the north section line and 610 feet from the west section line of Section 22, T 25 S, R 10 W., Reno County, Kansas.

Description: Bottom Hole Location "Feedlot 22 #1H" situated 330 feet from the south section line and 940 feet from the west section line of Section 22, T 25 S, R 10 W., Reno County, Kansas.

REGISTERED LAND SURVEYOR
MIKE GOSSETT
L.S. 1748
OKLAHOMA

ONE CALL KANSAS 811
Know what's below. Call before you dig.
Buried utilities are not necessarily shown. It is the contractor's responsibility to locate and preserve all utility services.

Survey is valid only if print has original seal and signature of surveyor present

JIVIDENS LAND SURVEY CO., INC.
1210 19TH STREET / P.O. BOX 943
WOODWARD, OKLAHOMA 73802
Phone 580-256-7174 - Fax 580-256-3424
roger@jividenslandsurvey.com mike@jividenslandsurvey.com

Survey For:
Unit Petroleum Co.
P.O. Box 2726
Woodward, OK 73802
Attn: Jason Rummery

JOB	DATE OF PLAT	SCALE	SHEET
248-14	06-10-2014	1"=1200'	1 OF 5

DRAWN BY	
J.C.B.	OKLA. CA #2064, EXP. 06/30/2015 KANSAS CA #143, EXP. 12/31/2014

Unit Petroleum

Reno County, Kansas [NAD 83]
Section 15 T25S-R10W
Feedlot 22 #1H

OH

Design: OH

Standard Survey Report

09 October, 2014

INWELL INC.

Unit Petroleum Company

Unit Petroleum
Project: Reno County, Kansas [NAD 83]
Site: Section 15 T25S-R10W
Well: Feedlot 22 #1H
Wellbore: OH
Design: Design #3
Lat: 37° 52' 7.296 N
Long: 98° 24' 54.989 W
Pad GL: 1755.00
KB: 14' KB @ 1769.00usft (UDI 331)

INWELL INC.

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
4317.00	83.90	176.80	3943.46	-726.71	13.59	0.00	0.00	726.59
4365.00	88.00	176.80	3946.85	-774.50	16.27	8.54	0.00	774.46
4587.29	89.88	161.67	3950.99	-992.19	57.67	6.86	-83.10	993.77
4593.88	89.88	161.67	3951.00	-998.45	59.74	0.00	0.00	1000.12
5117.18	89.99	182.60	3951.59	-1513.94	130.97	4.00	89.71	1518.26
5427.53	89.99	182.60	3951.64	-1823.98	116.89	0.00	0.00	1827.37
5600.34	89.77	175.69	3952.00	-1996.67	119.47	4.00	-91.83	2000.00
6600.83	89.77	175.69	3956.00	-2994.32	194.66	0.00	0.00	3000.00
6602.26	89.83	175.69	3956.01	-2995.74	194.77	4.00	0.00	3001.43
7599.43	89.83	175.69	3959.00	-3990.09	269.71	0.00	0.00	3998.12
7601.31	89.90	175.69	3959.00	-3991.97	269.85	4.00	-2.33	4000.00
8787.04	89.90	175.69	3961.00	-5174.33	359.02	0.00	0.00	5185.15

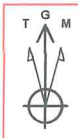
WELL DETAILS: Feedlot 22 #1H

+N/-S	+E/-W	Northing	Ground Level: Easting	1755.00 Latitude	Longitude	Slot
0.00	0.00	1750029.00	1336790.00	37° 52' 7.296 N	98° 24' 54.989 W	

PROJECT DETAILS: Reno County, Kansas [NAD 83]

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Kansas Southern Zone

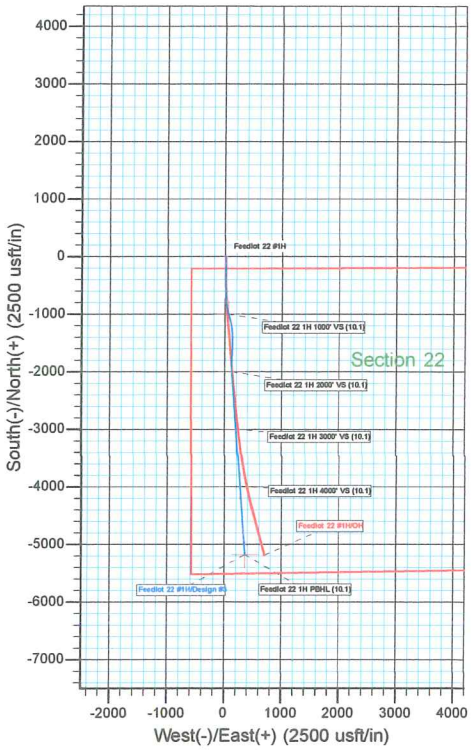
System Datum: Mean Sea Level

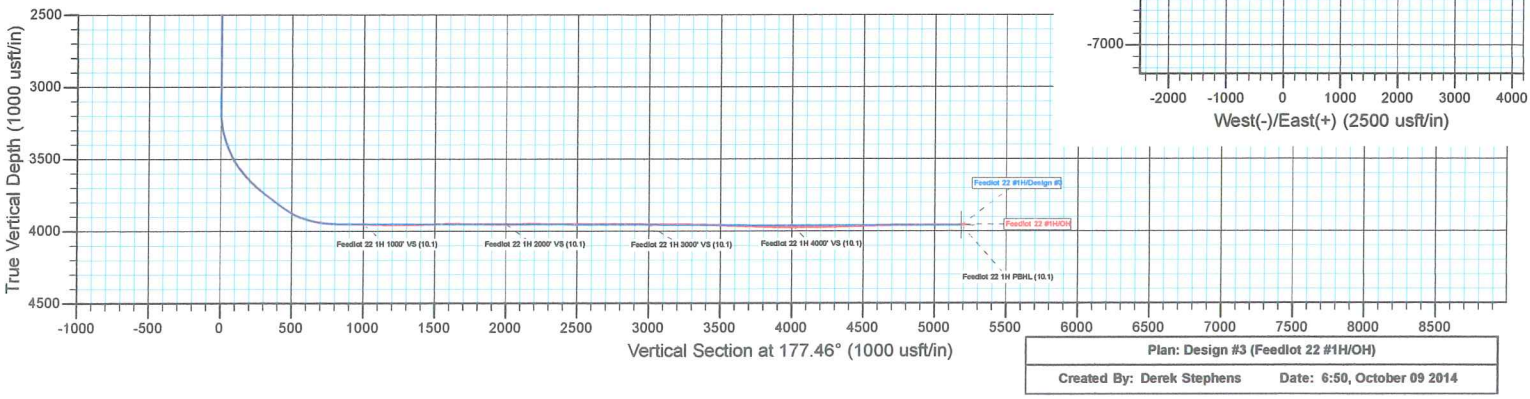


Azimuths to Grid North
True North: -0.05°
Magnetic North: 4.49°

Magnetic Field
Strength: 51994.6snT
Dip Angle: 65.74°
Date: 9/15/2014
Model: IGRF2010

NOTE: All Lease lines and Hard lines are estimates only and are subject to the customers' approval.





Plan: Design #3 (Feedlot 22 #1H/OH)

Created By: Derek Stephens Date: 6:50, October 09 2014

Company:	Unit Petroleum	**Local Co-ordinate Reference:**	Well Feedlot 22 #1H
Project:	Reno County, Kansas [NAD 83]	**TVD Reference:**	14' KB @ 1769.00usft (UDI 331)
Site:	Section 15 T25S-R10W	**MD Reference:**	14' KB @ 1769.00usft (UDI 331)
Well:	Feedlot 22 #1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Project Reno County, Kansas [NAD 83]

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		Using geodetic scale factor

Site Section 15 T25S-R10W

Site Position:		**Northing:**	1,750,023.00 usft	**Latitude:**	37° 52' 7.214 N
From:	Map	**Easting:**	1,339,150.00 usft	**Longitude:**	98° 24' 25.556 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.06 °

Well Feedlot 22 #1H

Well Position	**+N/-S**	0.00 usft	**Northing:**	1,750,029.00 usft	**Latitude:**	37° 52' 7.296 N
	+E/-W	0.00 usft	**Easting:**	1,336,790.00 usft	**Longitude:**	98° 24' 54.989 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	1,755.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/15/2014	4.55	65.74	51,995

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	177.46

Survey Program **Date** 10/9/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
71.47	3,081.71	Gyro (OH)	CB-GYRO-MS	Camera based gyro multishot
3,170.00	8,841.00	MWD (OH)	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.47	0.29	62.93	71.47	0.08	0.16	-0.08	0.41	0.41	0.00
165.54	0.21	73.94	165.54	0.24	0.54	-0.21	0.10	-0.09	11.70
259.61	0.39	96.01	259.61	0.25	1.02	-0.21	0.22	0.19	23.46
353.68	0.36	119.82	353.68	0.07	1.60	0.00	0.17	-0.03	25.31
447.75	0.02	155.20	447.74	-0.09	1.86	0.17	0.37	-0.36	37.61
541.82	0.11	148.74	541.81	-0.18	1.91	0.27	0.10	0.10	-6.87
635.89	0.04	132.43	635.88	-0.28	1.99	0.37	0.08	-0.07	-17.34
729.96	0.11	93.18	729.95	-0.31	2.10	0.40	0.09	0.07	-41.72
824.03	0.28	51.95	824.02	-0.17	2.37	0.28	0.22	0.18	-43.83

Company:	Unit Petroleum	**Local Co-ordinate Reference:**	Well Feedlot 22 #1H
Project:	Reno County, Kansas [NAD 83]	**TVD Reference:**	14' KB @ 1769.00usft (UDI 331)
Site:	Section 15 T25S-R10W	**MD Reference:**	14' KB @ 1769.00usft (UDI 331)
Well:	Feedlot 22 #1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
918.10	0.27	30.28	918.09	0.16	2.66	-0.04	0.11	-0.01	-23.04
1,012.17	0.27	11.55	1,012.16	0.57	2.82	-0.44	0.09	0.00	-19.91
1,106.24	0.30	46.66	1,106.23	0.96	3.04	-0.82	0.19	0.03	37.32
1,200.31	0.20	76.78	1,200.30	1.16	3.38	-1.01	0.17	-0.11	32.02
1,294.38	0.24	90.49	1,294.37	1.20	3.74	-1.03	0.07	0.04	14.57
1,388.45	0.41	120.07	1,388.44	1.03	4.23	-0.84	0.25	0.18	31.44
1,482.52	0.44	135.03	1,482.51	0.60	4.77	-0.39	0.12	0.03	15.90
1,576.59	0.50	142.39	1,576.57	0.02	5.28	0.21	0.09	0.06	7.82
1,670.66	0.18	137.12	1,670.64	-0.41	5.63	0.66	0.34	-0.34	-5.60
1,764.73	0.33	126.50	1,764.71	-0.68	5.95	0.94	0.17	0.16	-11.29
1,858.80	0.45	123.09	1,858.78	-1.04	6.48	1.33	0.13	0.13	-3.62
1,952.87	0.36	105.89	1,952.84	-1.32	7.07	1.64	0.16	-0.10	-18.28
2,046.94	0.26	115.01	2,046.91	-1.50	7.55	1.83	0.12	-0.11	9.69
2,141.01	0.37	120.91	2,140.98	-1.74	8.00	2.10	0.12	0.12	6.27
2,235.08	0.18	167.83	2,235.05	-2.04	8.29	2.41	0.30	-0.20	49.88
2,329.15	0.28	214.22	2,329.12	-2.38	8.20	2.74	0.22	0.11	49.31
2,423.22	0.05	260.20	2,423.19	-2.57	8.03	2.93	0.26	-0.24	48.88
2,517.29	0.28	302.05	2,517.26	-2.46	7.79	2.80	0.26	0.24	44.49
2,611.36	0.23	344.59	2,611.33	-2.16	7.55	2.49	0.20	-0.05	45.22
2,705.43	0.21	357.00	2,705.40	-1.80	7.49	2.13	0.05	-0.02	13.19
2,799.50	0.22	357.36	2,799.47	-1.45	7.47	1.78	0.01	0.01	0.38
2,893.57	0.33	359.87	2,893.54	-1.00	7.46	1.33	0.12	0.12	2.67
2,987.64	0.35	343.24	2,987.60	-0.45	7.38	0.78	0.11	0.02	-17.68
3,081.71	0.40	328.78	3,081.67	0.10	7.12	0.21	0.11	0.05	-15.37
3,170.00	0.10	186.90	3,169.96	0.29	6.95	0.02	0.55	-0.34	-160.70
3,201.00	2.20	179.40	3,200.95	-0.33	6.96	0.64	6.78	6.77	-24.19
3,233.00	5.60	179.80	3,232.88	-2.51	6.97	2.81	10.63	10.63	1.25
3,264.00	8.90	182.00	3,263.62	-6.42	6.89	6.72	10.68	10.65	7.10
3,296.00	12.00	182.60	3,295.09	-12.22	6.65	12.50	9.69	9.69	1.88
3,328.00	14.60	181.60	3,326.23	-19.57	6.39	19.83	8.16	8.13	-3.13
3,360.00	17.00	180.40	3,357.02	-28.28	6.24	28.53	7.57	7.50	-3.75
3,391.00	19.50	181.00	3,386.45	-37.99	6.12	38.22	8.09	8.06	1.94
3,423.00	21.40	179.50	3,416.44	-49.17	6.08	49.39	6.16	5.94	-4.69
3,454.00	23.50	178.00	3,445.09	-61.00	6.35	61.22	7.02	6.77	-4.84
3,480.00	25.60	178.50	3,468.73	-71.80	6.67	72.02	8.12	8.08	1.92
3,512.00	28.80	179.50	3,497.19	-86.42	6.92	86.64	10.10	10.00	3.13
3,544.00	31.70	179.80	3,524.83	-102.54	7.02	102.75	9.07	9.06	0.94
3,576.00	34.60	179.30	3,551.62	-120.04	7.16	120.23	9.10	9.06	-1.56
3,608.00	37.60	178.30	3,577.47	-138.88	7.56	139.08	9.55	9.38	-3.13
3,640.00	40.30	177.60	3,602.36	-158.98	8.28	159.19	8.55	8.44	-2.19
3,671.00	42.70	177.60	3,625.57	-179.51	9.14	179.73	7.74	7.74	0.00
3,702.00	44.60	178.10	3,648.00	-200.89	9.94	201.13	6.23	6.13	1.61
3,734.00	46.40	178.90	3,670.43	-223.70	10.54	223.95	5.90	5.63	2.50

Company:	Unit Petroleum	**Local Co-ordinate Reference:**	Well Feedlot 22 #1H
Project:	Reno County, Kansas [NAD 83]	**TVD Reference:**	14' KB @ 1769.00usft (UDI 331)
Site:	Section 15 T25S-R10W	**MD Reference:**	14' KB @ 1769.00usft (UDI 331)
Well:	Feedlot 22 #1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,765.00	48.40	179.70	3,691.41	-246.52	10.82	246.76	6.73	6.45	2.58
3,797.00	50.90	179.90	3,712.13	-270.90	10.90	271.12	7.83	7.81	0.63
3,828.00	51.90	180.20	3,731.47	-295.13	10.88	295.32	3.31	3.23	0.97
3,860.00	53.00	180.20	3,750.97	-320.50	10.79	320.66	3.44	3.44	0.00
3,892.00	54.10	181.10	3,769.99	-346.24	10.50	346.36	4.12	3.44	2.81
3,924.00	54.20	181.00	3,788.73	-372.17	10.02	372.25	0.40	0.31	-0.31
3,955.00	54.20	180.40	3,806.86	-397.31	9.71	397.35	1.57	0.00	-1.94
3,987.00	54.10	181.10	3,825.60	-423.25	9.37	423.25	1.80	-0.31	2.19
4,025.00	55.30	180.80	3,847.56	-454.26	8.86	454.20	3.22	3.16	-0.79
4,050.00	57.80	180.00	3,861.34	-475.11	8.72	475.03	10.35	10.00	-3.20
4,082.00	61.60	180.00	3,877.48	-502.74	8.72	502.63	11.88	11.88	0.00
4,114.00	65.70	180.00	3,891.68	-531.40	8.72	531.27	12.81	12.81	0.00
4,146.00	68.80	179.70	3,904.05	-560.91	8.80	560.75	9.73	9.69	-0.94
4,178.00	71.90	179.10	3,914.81	-591.04	9.11	590.87	9.85	9.69	-1.88
4,210.00	74.70	178.70	3,924.01	-621.68	9.70	621.50	8.83	8.75	-1.25
4,242.00	77.70	178.30	3,931.64	-652.75	10.52	652.57	9.45	9.38	-1.25
4,274.00	80.60	177.80	3,937.66	-684.15	11.59	683.99	9.19	9.06	-1.56
4,317.00	83.90	176.80	3,943.46	-726.71	13.59	726.59	8.01	7.67	-2.33
4,415.00	88.60	175.10	3,949.87	-824.22	20.50	824.32	5.10	4.80	-1.73
4,477.00	89.20	175.30	3,951.06	-885.99	25.69	886.26	1.02	0.97	0.32
4,539.00	89.60	175.30	3,951.71	-947.78	30.77	948.21	0.65	0.65	0.00
4,591.82	90.47	175.56	3,951.68	-1,000.43	34.98	1,000.99	1.71	1.64	0.49
Feedlot 22 1H 1000' VS (10.1)									
4,600.00	90.60	175.60	3,951.60	-1,008.59	35.61	1,009.17	1.71	1.64	0.49
4,663.00	88.80	175.00	3,951.93	-1,071.37	40.77	1,072.12	3.01	-2.86	-0.95
4,725.00	89.10	175.10	3,953.07	-1,133.13	46.12	1,134.06	0.51	0.48	0.16
4,787.00	89.40	174.60	3,953.88	-1,194.87	51.68	1,195.99	0.94	0.48	-0.81
4,850.00	89.90	174.60	3,954.27	-1,257.59	57.61	1,258.91	0.79	0.79	0.00
4,912.00	90.30	174.60	3,954.16	-1,319.32	63.45	1,320.83	0.65	0.65	0.00
4,974.00	90.80	175.30	3,953.56	-1,381.07	68.90	1,382.77	1.39	0.81	1.13
5,037.00	90.80	174.60	3,952.68	-1,443.82	74.45	1,445.70	1.11	0.00	-1.11
5,098.00	91.70	174.70	3,951.35	-1,504.54	80.14	1,506.61	1.48	1.48	0.16
5,160.00	90.20	174.60	3,950.32	-1,566.26	85.92	1,568.53	2.42	-2.42	-0.16
5,222.00	91.00	174.30	3,949.67	-1,627.97	91.91	1,630.44	1.38	1.29	-0.48
5,283.00	89.40	174.70	3,949.46	-1,688.68	97.76	1,691.35	2.70	-2.62	0.66
5,345.00	90.00	174.90	3,949.79	-1,750.43	103.38	1,753.29	1.02	0.97	0.32
5,406.00	88.80	174.50	3,950.43	-1,811.16	109.01	1,814.21	2.07	-1.97	-0.66
5,468.00	89.10	175.10	3,951.56	-1,872.89	114.63	1,876.13	1.08	0.48	0.97
5,529.00	89.80	174.80	3,952.15	-1,933.65	120.00	1,937.07	1.25	1.15	-0.49
5,591.00	90.70	174.50	3,951.88	-1,995.38	125.78	1,999.00	1.53	1.45	-0.48
5,591.66	90.71	174.50	3,951.87	-1,996.04	125.84	1,999.65	0.94	0.81	-0.48
Feedlot 22 1H 2000' VS (10.1)									
5,653.00	91.20	174.20	3,950.85	-2,057.07	131.88	2,060.90	0.94	0.81	-0.48
5,714.00	89.60	173.90	3,950.42	-2,117.74	138.20	2,121.78	2.67	-2.62	-0.49

Company:	Unit Petroleum	**Local Co-ordinate Reference:**	Well Feedlot 22 #1H
Project:	Reno County, Kansas [NAD 83]	**TVD Reference:**	14' KB @ 1769.00usft (UDI 331)
Site:	Section 15 T25S-R10W	**MD Reference:**	14' KB @ 1769.00usft (UDI 331)
Well:	Feedlot 22 #1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,776.00	89.70	173.60	3,950.80	-2,179.37	144.95	2,183.65	0.51	0.16	-0.48
5,837.00	90.20	174.10	3,950.85	-2,240.02	151.49	2,244.53	1.16	0.82	0.82
5,899.00	89.40	174.20	3,951.07	-2,301.70	157.81	2,306.43	1.30	-1.29	0.16
5,960.00	89.80	173.90	3,951.50	-2,362.37	164.13	2,367.32	0.82	0.66	-0.49
6,022.00	89.90	174.50	3,951.66	-2,424.05	170.40	2,429.22	0.98	0.16	0.97
6,083.00	90.50	174.40	3,951.45	-2,484.76	176.30	2,490.13	1.00	0.98	-0.16
6,144.00	89.40	174.20	3,951.50	-2,545.46	182.36	2,551.04	1.83	-1.80	-0.33
6,205.00	89.60	174.10	3,952.03	-2,606.14	188.57	2,611.93	0.37	0.33	-0.16
6,266.00	90.10	173.80	3,952.19	-2,666.80	195.00	2,672.82	0.96	0.82	-0.49
6,328.00	89.40	173.90	3,952.46	-2,728.44	201.64	2,734.69	1.14	-1.13	0.16
6,389.00	89.80	172.90	3,952.89	-2,789.03	208.65	2,795.54	1.77	0.66	-1.64
6,451.00	90.20	173.40	3,952.89	-2,850.59	216.05	2,857.36	1.03	0.65	0.81
6,513.00	89.10	173.30	3,953.27	-2,912.17	223.23	2,919.20	1.78	-1.77	-0.16
6,577.00	89.70	172.60	3,953.94	-2,975.68	231.08	2,983.00	1.44	0.94	-1.09
6,590.93	89.70	172.69	3,954.01	-2,989.50	232.87	2,996.88	0.62	0.00	0.63
Feedlot 22 1H 3000' VS (10.1)									
6,641.00	89.70	173.00	3,954.27	-3,039.18	239.10	3,046.79	0.62	0.00	0.63
6,705.00	89.80	173.10	3,954.55	-3,102.71	246.85	3,110.59	0.22	0.16	0.16
6,767.00	89.90	172.80	3,954.71	-3,164.24	254.46	3,172.40	0.51	0.16	-0.48
6,831.00	89.90	172.70	3,954.83	-3,227.73	262.54	3,236.19	0.16	0.00	-0.16
6,893.00	89.80	172.40	3,954.99	-3,289.20	270.57	3,297.96	0.51	-0.16	-0.48
6,956.00	90.20	172.60	3,954.99	-3,351.66	278.80	3,360.72	0.71	0.63	0.32
7,019.00	88.80	172.20	3,955.54	-3,414.11	287.13	3,423.47	2.31	-2.22	-0.63
7,082.00	88.10	172.30	3,957.24	-3,476.51	295.62	3,486.19	1.12	-1.11	0.16
7,144.00	88.10	170.80	3,959.30	-3,537.80	304.73	3,547.82	2.42	0.00	-2.42
7,208.00	87.70	170.90	3,961.64	-3,600.94	314.90	3,611.35	0.64	-0.63	0.16
7,273.00	87.70	170.80	3,964.25	-3,665.06	325.22	3,675.87	0.15	0.00	-0.15
7,336.00	88.10	170.60	3,966.56	-3,727.19	335.40	3,738.39	0.71	0.63	-0.32
7,400.00	87.80	169.00	3,968.85	-3,790.14	346.72	3,801.78	2.54	-0.47	-2.50
7,463.00	88.50	168.90	3,970.88	-3,851.94	358.79	3,864.05	1.12	1.11	-0.16
7,527.00	89.50	169.30	3,972.00	-3,914.77	370.89	3,927.36	1.68	1.56	0.63
7,582.82	89.77	168.24	3,972.36	-3,969.52	381.76	3,982.53	1.96	0.48	-1.90
Feedlot 22 1H 4000' VS (10.1)									
7,590.00	89.80	168.10	3,972.38	-3,976.55	383.24	3,989.62	1.96	0.48	-1.90
7,654.00	90.00	168.00	3,972.50	-4,039.16	396.49	4,052.76	0.35	0.31	-0.16
7,719.00	90.10	167.70	3,972.44	-4,102.71	410.17	4,116.85	0.49	0.15	-0.46
7,781.00	91.30	166.20	3,971.68	-4,163.10	424.17	4,177.80	3.10	1.94	-2.42
7,845.00	91.20	166.00	3,970.29	-4,225.21	439.54	4,240.53	0.35	-0.16	-0.31
7,908.00	91.20	165.60	3,968.97	-4,286.27	454.99	4,302.21	0.63	0.00	-0.63
7,972.00	91.60	165.50	3,967.40	-4,348.23	470.96	4,364.82	0.64	0.63	-0.16
8,035.00	91.70	165.20	3,965.59	-4,409.15	486.88	4,426.39	0.50	0.16	-0.48
8,099.00	92.20	164.70	3,963.41	-4,470.92	503.49	4,488.83	1.10	0.78	-0.78
8,162.00	90.60	164.20	3,961.87	-4,531.60	520.37	4,550.19	2.66	-2.54	-0.79

Company:	Unit Petroleum	**Local Co-ordinate Reference:**	Well Feedlot 22 #1H
Project:	Reno County, Kansas [NAD 83]	**TVD Reference:**	14' KB @ 1769.00usft (UDI 331)
Site:	Section 15 T25S-R10W	**MD Reference:**	14' KB @ 1769.00usft (UDI 331)
Well:	Feedlot 22 #1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,226.00	91.30	164.30	3,960.81	-4,593.18	537.74	4,612.49	1.10	1.09	0.16
8,289.00	90.00	164.30	3,960.10	-4,653.83	554.79	4,673.83	2.06	-2.06	0.00
8,353.00	90.20	164.40	3,959.98	-4,715.46	572.05	4,736.16	0.35	0.31	0.16
8,417.00	90.60	164.00	3,959.54	-4,777.04	589.48	4,798.45	0.88	0.63	-0.63
8,479.00	91.30	164.50	3,958.51	-4,836.70	606.31	4,858.80	1.39	1.13	0.81
8,542.00	89.20	164.90	3,958.23	-4,897.46	622.93	4,920.24	3.39	-3.33	0.63
8,606.00	89.80	165.10	3,958.79	-4,959.28	639.49	4,982.73	0.99	0.94	0.31
8,668.00	90.50	165.20	3,958.63	-5,019.21	655.38	5,043.31	1.14	1.13	0.16
8,732.00	90.60	164.00	3,958.02	-5,080.91	672.38	5,105.70	1.88	0.16	-1.88
8,735.95	90.65	164.01	3,957.97	-5,084.70	673.47	5,109.54	1.27	1.23	0.31
Feedlot 22 1H PBHL (10.1)									
8,797.00	91.40	164.20	3,956.88	-5,143.41	690.18	5,168.93	1.27	1.23	0.31
Last MWD Survey									
8,841.00	91.40	164.20	3,955.81	-5,185.73	702.16	5,211.74	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
8,797.00	3,956.88	-5,143.41	690.18	Last MWD Survey
8,841.00	3,955.81	-5,185.73	702.16	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

BASiC energy services, L.P.

TREATMENT REPORT

Customer UNIT Petroleum	Lease No.		Date 10-10-14
Lease Feedlot	Well # 22-1H		
Field Order # 11487	Station Pratt KS	Casing 4 1/2 / 5 1/2 Depth 8855'	County Reno State KS
Type Job ENW 4 1/2 ~~longstring~~ LOWER	Formation	Legal Description 15-25-10	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	~~Tubing Size~~ 4 1/2	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 4046'	Depth 4800'	From	To	Pre Pad	Max		5 Min.
Volume 93.8	Volume 74.4	From	To	Pad	Min		10 Min.
Max Press 3,000	Max Press 3,000	From	To	Frac	Avg		15 Min.
Well Connection Swage	~~Annulus~~ Vol 168.2	Tubing From	To		HHP Used		Annulus Pressure
Plug Depth 8855'	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager DAVE South | Treater Robert Sullivan

Service Units	37900	33708	20920	19903	19860						
Driver Names	Sullivan	Ervin		Phyle							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 PM					on loc
					Run 4 1/2 11.6# csg. AND 5 1/2 17# csg
					8855.88
					CASING on Bottom
1:30					Rig Circ csg
2:40	250		12	3.5	5# mud Flush
			5		SPACER
				4.5	mix cmt 400sk 50/50 poz @ 13.8 ppg.
			108		cmt mixed
			1 1/2		Pump Sugar H20
					Shut down
					Release Plug & BALL
				5.5	ST Disp / 30 BBL Sugar WATER
	400				Lift
	950		160	3.5	Slow Rate
4:15	2,000		168.5		Plug down
					Release Float Held
					JOB Complete
					Thank you

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Clay Petroleum Co.	Lease No.			Date: 10-1-14	
Lease: Feed Lot	Well #: 22 1-H				
Field Order#: 11457A	Station: Pratt	Casing: 7	Depth: 4376	County: Reno	State: KS
Type Job: 2" Intermediate CNW	Formation			Legal Description: 15-25S-10W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 7	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 4370	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 166.9	Volume	From	To	Pad	Min		10 Min.
Max Press: 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connecton: 7"	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: Jerry | Station Manager: Kevin Gordley | Treater: Scott Greeves

Service Units	38970	19869 19843	19960 21010								
Driver Names	Scott	Shawn	Aaron								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00					On Location Safety meeting Rig up
4:30					Circulate 1 hr
5:32	0		5	4	Pump H2O Spacer
5:34	0		12	4	Pump Mud Flush
5:38	0		5	4	Pump H2O Spacer
5:41	150			5.2	Mix 160 SKS AA2 at 15 ppg
5:54	0		40.5		Cement Complete
5:54	0				Shut down
5:55	0				Drop Plug
5:56	50		2	3.5	Pump Cement on top of plug
5:57	100			6	start Displacem.
5:57	200		98	6	Lift pressure
6:15	300		20	6	Pressure increase
6:20	400		20	6	Pressure Increase
6:24	550		20	3.7	Decrease Rate
6:30	600		6	3.5	Plug landed
6:30	1100				Pressure up
6:32	0				Release pressure NO Returns
					Job Complete

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BASIC energy services, L.P.

TREATMENT REPORT

Customer: UNIT Petroleum	Lease No.		Date: 9-27-14
Lease: Feedlot	Well #: 22 1-H		
Field Order #: 11478	Station: PRATT KS	Casing: 9 5/8 Depth: 1508	County: RENO State: KS
Type Job: CNW Surface	Formation		Legal Description: 13-25-10

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 9 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 1508	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 116 1/2	Volume	From	To	Pad	Min		10 Min.
Max Press: 1,000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: P.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 1508	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager: DAVID Scott | Treater: Robert Sullivan

Service Units	37900	33708	20920	20959	19918	19831	19862				
Driver Names	Sullivan	HANSON		Phye		[illegible]	Pyles				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					On Loc
					Csg on Bottom
					Rig circ csg.
1:00			3	3	1st Spacer
			142	4.5	1st cmt 225 sk A-Con 3% cc 1/4 cf
			60		mix 280 sk Comm 2% cc 1/4 cf
					cmt mixed 1st Disp
	400				Light
2:15	1,000		116 1/2		Plug down
					circ 60 BBL cmt pit
					Job Complete
					Thank you

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer: UNIT Pet	Lease No.		Date: 09-25-14		
Lease: Feedlot	Well #: 22-14				
Field Order #: 19476	Station: PRATT KS	Casing: 13 3/8	Depth: 215	County: Reno	State: KS
Type Job: CNW - 13 3/8	Formation		Legal Description: 15-25-10		

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 13 3/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 215	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 30 1/2	Volume	From	To	Pad	Min		10 Min.
Max Press: 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Swage	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 198	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager: Dave Scott | Treater: Robert Sutton

Service Units	37900	19959	20920	19831	19862						
Driver Names	Sullivan	Ervin		Beachy							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					on loc
					Run csg.
					csg on Bottom
					Rig Hookup circ csg.
9:50			3	3.5	1st spacer
	200			4.5	mix cmt 300 sk com 2% cc 1/4# cf
			64		cmt mixed
				4	1st Disp
10:30	250		30 1/2		Plug down good circ
					NO CMT.
					ORDER cmt & ONE INCH
					Run 80' 1" Tag cmt at 80'
1:00	200		32		cmt top w/ 150 sk com 2% cc
1:30					Shut down cmt cellar mixed 150 sk
					Job Complete
					Thank you

Taylor Printing, Inc. 620-672-3656

Field: **Mississippi**

Feedlot 22-1H

	Location:
Footage:	Sfc: 205' FSL & 600' FWL
Section:	15
Township:	25S
Range:	10W
County:	Reno, KS
Lat:	37° 52' 07.300" N
Long:	98° 24' 54.989" W
Elevations:	
GL:	1764'
KB:	14'
KB Calc:	1778'
ck w/log?	

Date	History
9/24/14	Spud Well
10/9/14	TD well at 8,840'

	Tubing Detail (top to bottom)		
Joints	**Description**	**Footage**	**Depth**

	Rod Detail (top to bottom)		
Rods	**Description**	**Footage**	**Depth**

Updated: 12/22/2014

Wellbore Diagram

Well ID Info:	
API No:	155 21705 0100
Spud Date:	9/24/14 Rig 331

Hole Size: 17-1/2"
Surf. Csg: 13-3/8" 48# H-40
Set @ 212' set on 9/25/14
Cement w/ 300 sks
Circ: Cir out sfc
TOC: Surface

Hole Size: 12-1/4" 212'-1504'
Csg: 9-5/8" 36# J-55
Set @ 1504' set on 9/26/14
Cement w/ 605 sxs
TOC: Surface

Hole Size: 8-3/4" from 1504' - 4365'

Hole Size: 8-3/4"
Intermed. Casing 7" 26# PI-80
Set @: 4365' on 10/1/14
Cmt: 160 sxs
Est TOC 2565'

KOP MD: 3200'

Hole Size: 6-1/8"
Prod. Csg: 5 1/2" 17# P-110 to 4 1/2" P-110 11.6#
XO: 4033'
Set @: to surface' on 10/9/14
Cmt: 400 sxs
Est TOC 3350'